PIONEER®

Service Manual

ORDER NO.
ARP-581-0

SPEAKER SYSTEM

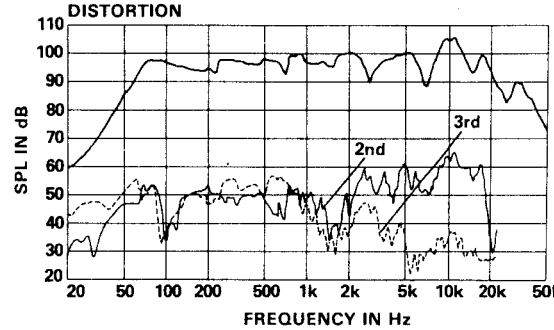
CS-705 G, E, US

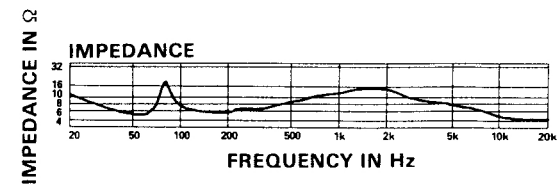
SPECIFICATIONS

Enclosure . . . . . Book-shelf style, Bass-reflex type
System . . . . . 4 way, 4 speaker system
Speakers
  Woofer . . . . . 40 cm (16 in) cone type
  Mid Range . . . . . 12 cm (4-3/4 in) cone type
  Tweeter . . . . . Hone type
  Super Tweeter . . . . . Horn-loaded Ribon type
Accessory . . . . . Power Indicator
LED—green x 5, red x 1 (over load)
yellow x 2 (E.B.D.)
Tone Selector
NORMAL—SOFT—CRISP
Impedance . . . . . 8 ohms
Frequency Range . . . . . 20 Hz to 40,000 Hz
Sensitivity . . . . . 98 dB/W (at 1-meter distance)
Maximum Music Power . . . . . 200 W
Rated Power . . . . . 70 W
Crossover Frequency . . . . . 1,500 Hz, 5,000 Hz, 8,000 Hz
External Dimensions . . . . 450(W) x 710(H) x 259(D) mm
17-11/16(W) x 27-15/16(H) x 10-3/16(D) in
Weight . . . . . 21 kg/44 lb 1 oz
Accessory Parts . . . . . Operating Guide x 1
Speaker Cords x 1

NOTE:
Specifications and design subject to possible modification without notice, due to improvements.

FREQUENCY RESPONSE AND HARMONIC DISTORTION



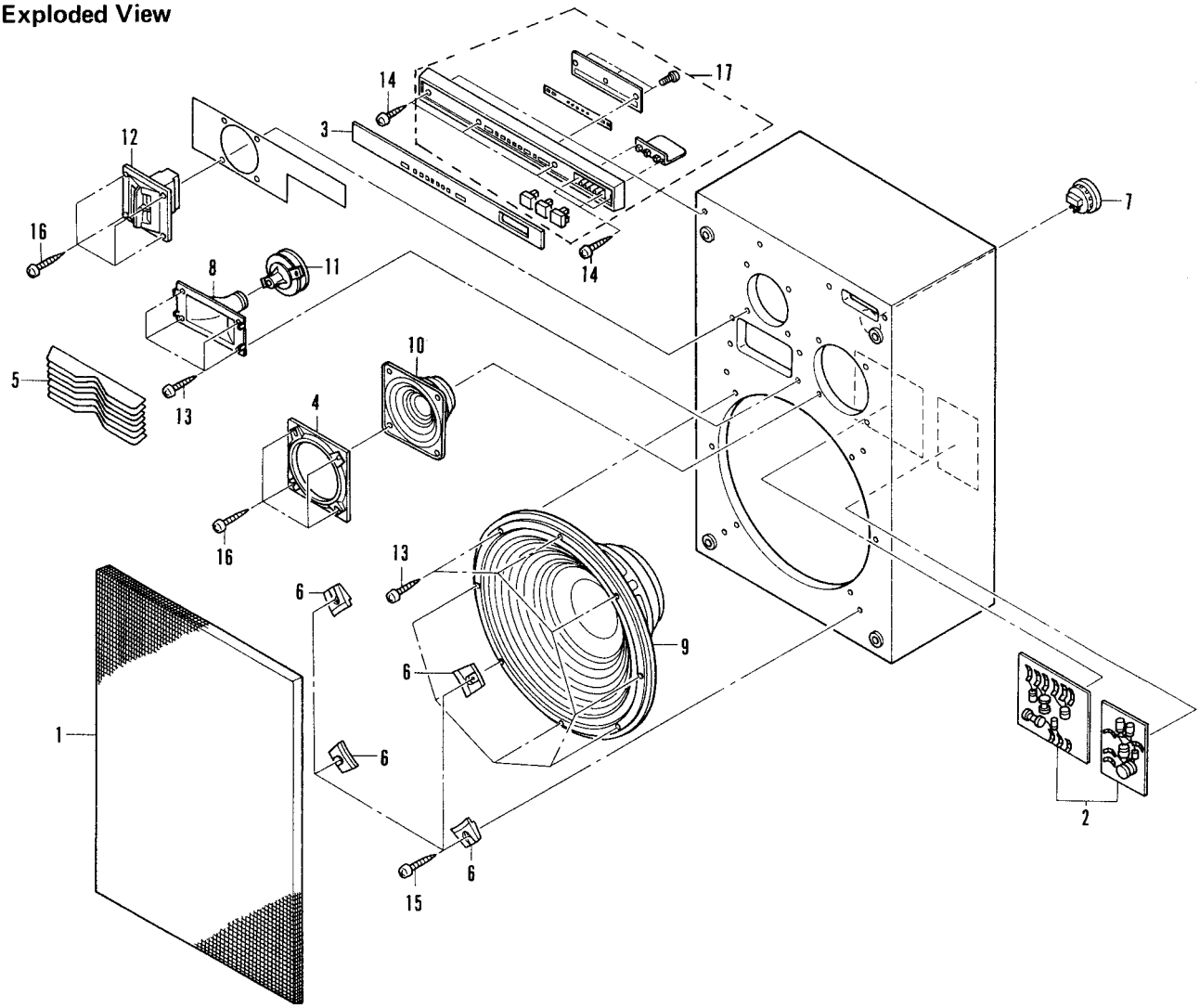


PIONEER ELECTRONIC CORPORATION 4-1, Meguro 1-Chome, Meguro-ku, Tokyo 153, Japan
PIONEER ELECTRONICS (USA) INC. P.O. Box 1760, Long Beach, California 90801 U.S.A.
TEL: (800) 421-1404, (800) 237-0424
PIONEER ELECTRONIC (EUROPE) N.V. Keetberglaan 1, 2740 Beveren, Belgium TEL: 03/775·28·08
PIONEER ELECTRONICS AUSTRALIA PTY. LTD. 178-184 Boundary Road, Braeside, Victoria 3195, Australia
TEL: (03) 580-9911

MA © MAY 1984 Printed in Japan

EXPLODED VIEW AND PARTS LIST

Exploded View



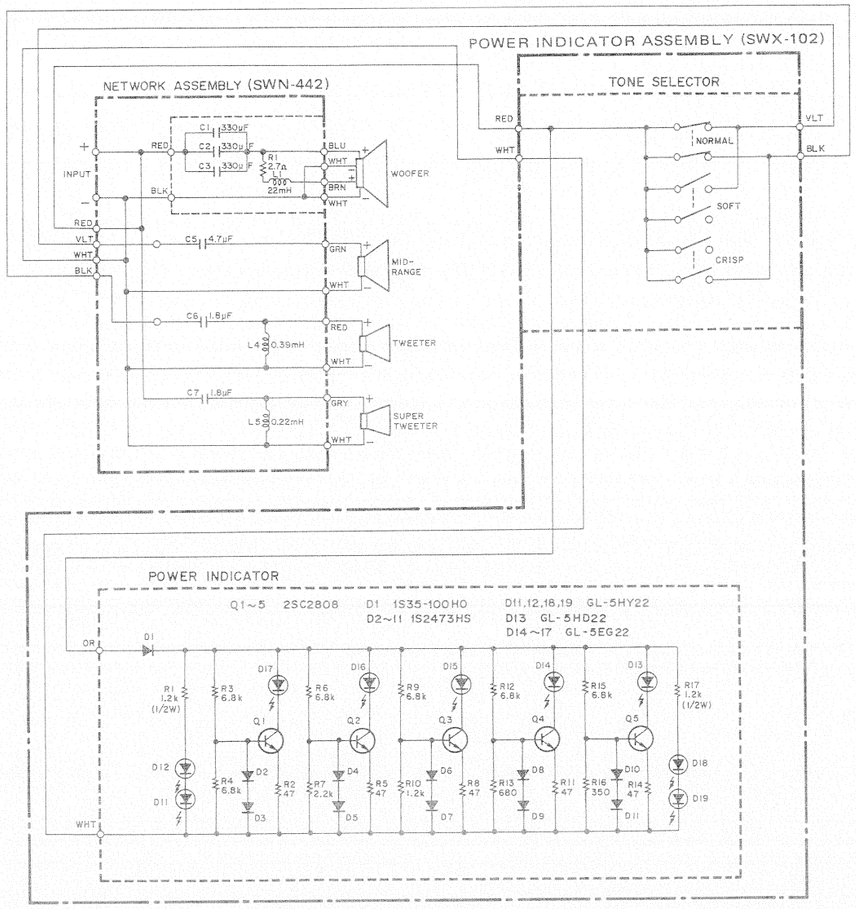
NOTES:

- *Parts without part number cannot be supplied.*
- *For your Parts Stock Control, the fast moving items are indicated with the marks ★★ and ★. ★★ GENERALLY MOVES FASTER THAN ★.*
  This classification shall be adjusted by each distributor because it depends on model number, temperature, humidity, etc.

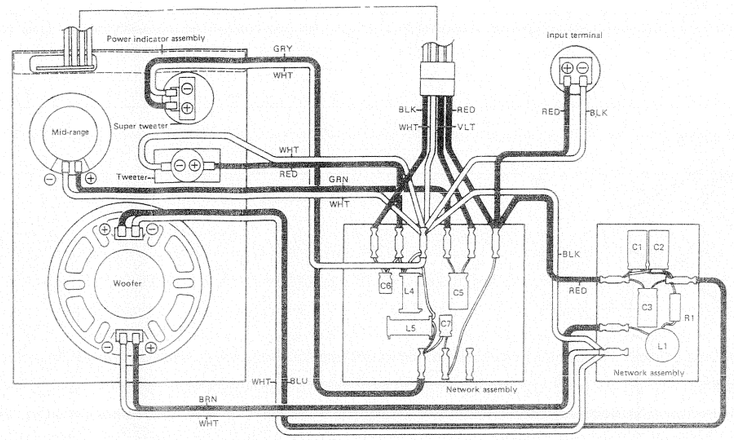
Parts List

Mark	No.	Part No.	Description
	1.	SMG-333	Grille
	2.	SWN-442	Network assembly
	3.	SAX-312	Panel
	4.	SNK-781	Flange
	5.	SNK-782	Defuser
	6.	SNK-783	Cushion
	7.	SKX-012	Input terminal plate
	8.	SFH-025	Horn
★★	9.	40-808A	Woofer
★★	10.	12-736A	Mid-range
★★	11.	PD-009A-3	Driver
★★	12.	PT-R20A	Super tweeter
	13.	SBA-122	Bind twin screw
	14.	RWC38P320FMC	Screw
	15.	SBA-145	Bind twin screw
	16.	SBA-180	Bind twin screw
	17.	SWX-102	Power indicator assembly

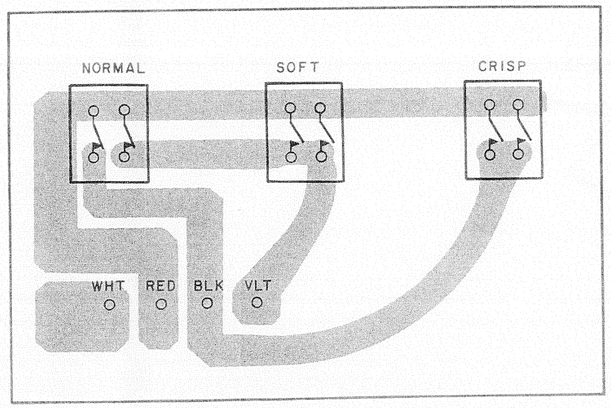
Circuit Diagram



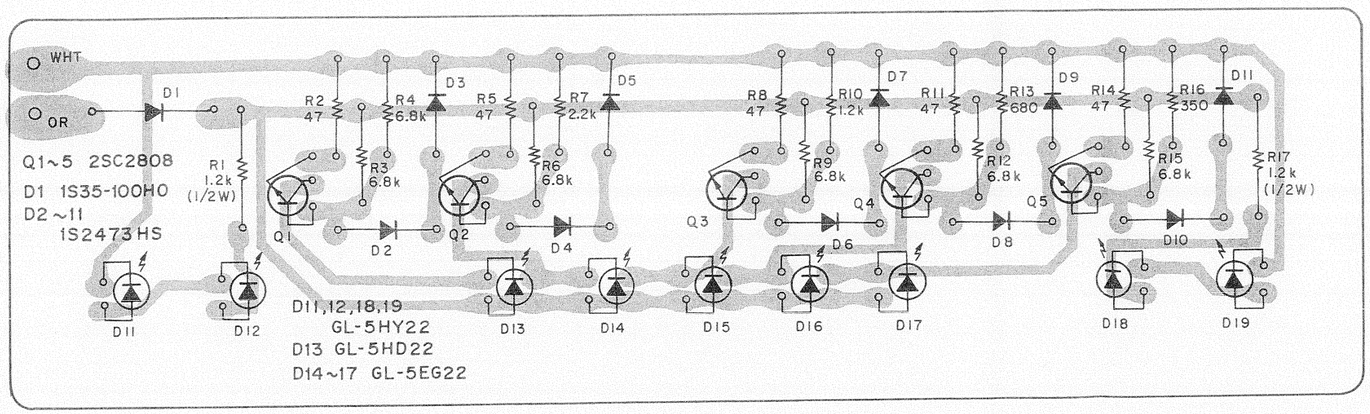
Wiring



P.C. Board Pattern of Tone Selector



P.C. Board Pattern of Power Indicator



Parts List

NETWORK ASSEMBLY (SWN-442)

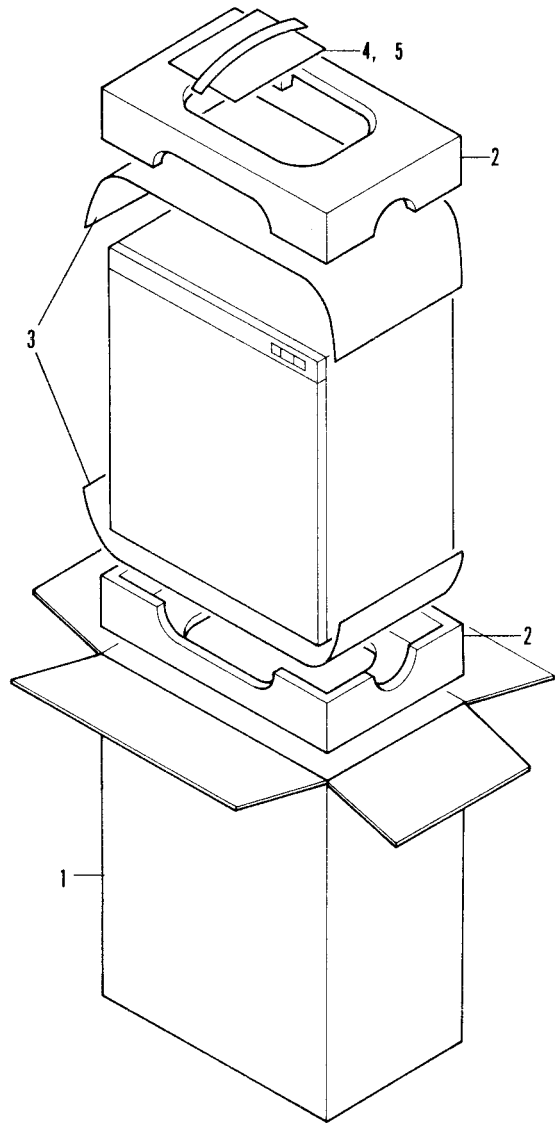
Mark	Symbol & Description	Part No.
	L4 Choke coil	STH-339
	L5 Choke coil	STH-327
	L1 Choke coil	STH-371
	C5 Capacitor	CES044R7K63
	C6, 7 Capacitor	CES041R8K63
	C1, 2, 3 Capacitor	CES04SM331K50
	R1 Resistor	RT5B2R7K

POWER INDICATOR ASSEMBLY (SWX-102)

Mark	Symbol & Description	Part No.
★★	Q1-Q5	2SC2808
★	D1 Diode	1SR35-100H0
★	D2-D11 Diode	1S2473HS
★	D11, 12, 18, 19 Diode	GL-5HY22
★	D13 Diode	GL-5HD22
★	D14-17 Diode	GL-5EG22
	R1, 17 resistor	RD1/2PS122J
	R2, 5, 8, 11, 14 Resistor	RD1/4PM470J
	R3, 6, 9, 12, 15, 4 Resistor	RD1/4PM682J
	R7 Resistor	RD1/4PM222J
	R10 Resistor	RD1/4PM122J
	R13 Resistor	RD1/4PM681J
	R16 Resistor	RD1/4PM351J
★★	Switch	SSG-003
	Knob (NORMAL)	SAA-064
	Knob (SOFT)	SAA-065
	Knob (CRISP)	SAA-067
	Screw	PMZ30P050FMC
	Screw	PTZ30P100FMC

PACKING VIEW AND PARTS LIST

Packing View



Parts List

Mark	No.	Part No.	Description
	1.	SHG-725	Packing case (G type)
		SHG-776	Packing case (E type)
		SHG-777	Packing case (US type)
	2.	SHA-556	Protector
	3.	SHC-430	Cover
	4.	KDD-012	Speaker cord
	5.	SRB-392	Instruction manual